

MTS-V03174

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4 a reception terminal connected to a reception circuit;

5 a first switching element that turns on or off the connection between said antenna
6 terminal and said transmission terminal;

7 a second switching element that turns on or off the connection between said antenna
8 terminal and said reception terminal; and

9 filtering means inserted between said first switching element and said antenna terminal,

10 wherein said filtering means (1) attenuates harmonic contents in a transmission signal
11 and (2) has phase characteristics that increase the impedance to a sufficient value from the node
12 between said antenna terminal and said second switching element toward said transmission
13 terminal in a reception frequency band, thereby substantially decreasing leakage of a reception
14 signal toward said filtering means.

1 2. (Amended) The transmitting/receiving switch as set forth in claim 1, wherein
2 said filtering means comprises:

3 a filter that attenuates harmonic contents in said transmission signal, said harmonic
4 contents resulting from said first switching element; and

5 a phase shift circuit that performs phase adjustment on the basis of said phase
6 characteristics according to the amount of phase shift caused by said filter.

1 8. (Newly Added) The transmitting/receiving switch as set forth in claim 1,
2 wherein said filtering means is a filter having phase characteristics that provides the impedance
3 at a significantly high value.